

*YAMAHA Q52 98-127302/12 *JP 10008975-A

Intake apparatus for crank case over-supplying type four cycle engine - has cross valve, provided on bypass path, which switches introductory path of mixed air to bypass path so that mixed air is directly guided to combustion chamber when mixed air falls below predetermined load

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The apparatus guides the mixed air, compressed by a crank case over-supplying type four cycle engine (1), introduced into a crank case (8) to a combustion chamber (5). A bypass path (27) which bypasses the crank case is provided. A cross valve (24) is provided on the bypass path.

When the mixed air to be guided falls below a predetermined load, the cross valve switches the introductory path of the mixed air to the bypass path so that the mixed air is directly guided to the combustion chamber.

ADVANTAGE - Prevents temperature rise of mixed air since mixed air is directly guided to combustion chamber when mixed air falls below predetermined load thus, stabilising output. Reduces oil consumption since oil in crank interior does not flow out to mix with mixed air. Does not reduce charging efficiency even if mixed air falls below predetermined load. Allows crank case to supply mixed air to combustion chamber only if mixed air is more than predetermined load. (6pp Dwg.No.1/3)

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